

WHAT IS CLAIMED IS:

1. An electronic apparatus comprising:  
a communication device that executes communication  
with an external device;

5 an input device;

means for selecting one of a first communication  
mode and a second communication mode in accordance with  
an operation of the input device; and

means for, when the first communication mode is  
10 selected, controlling one-way communication to transmit  
content data from the communication device to the  
external device with a first quality and for, when  
the second communication mode is selected, controlling  
two-way communication to transmit and receive content  
15 data between the communication device and the external  
device with a second quality which is lower than the  
first quality.

2. The electronic apparatus according to claim 1,  
further comprising:

20 a display device; and

means for displaying a first icon and a second  
icon corresponding to the first communication mode  
and the second communication mode, respectively, on  
a display screen of the display device,

25 wherein the selecting means includes means for  
selecting the first communication mode when the first  
icon is selected by an operation of the input device,

and selecting the second communication mode when the second icon is selected by an operation of the input device.

3. The electronic apparatus according to claim 1,  
5 wherein the controlling means includes means for controlling communication between the communication device and the external device such that content data compression-encoded by a first compression-encoding scheme is transmitted from the communication device to  
10 the external device when the first communication mode is selected, and content data compression-encoded by a second compression-encoding scheme is transmitted and received between the communication device and the external device when the second communication mode is  
15 selected.

4. The electronic apparatus according to claim 1,  
wherein the controlling means includes means for controlling communication between the communication device and the external device such that content data  
20 sampled with a first sampling frequency is transmitted from the communication device to the external device when the first communication mode is selected, and content data sampled with a second sampling frequency, which is lower than the first sampling frequency, is  
25 transmitted and received between the communication device and the external device when the second communication mode is selected.

5. The electronic apparatus according to claim 1,  
further comprising means for storing first parameter  
information indicative of a kind of compression-  
encoding to be used in the first communication mode  
5 and a value of a sampling frequency used in the  
compression-encoding, and second parameter information  
indicative of a kind of compression-encoding to be  
used in the second communication mode and a value of  
a sampling frequency used in this compression-encoding,  
10 wherein the controlling means includes means for  
setting communication conditions for the one-way  
communication in the communication device and the  
external device in accordance with the first parameter  
information when the first communication mode is  
15 selected, and setting communication conditions for  
the two-way communication in the communication device  
and the external device in accordance with the second  
parameter information when the second communication  
mode is selected.

20 6. The electronic apparatus according to claim 1,  
wherein the external device is a headset including  
a speaker and a microphone,

the electronic apparatus further comprises means  
for storing first parameter information indicative of  
25 communication conditions for transmitting audio data  
with the first quality and second parameter information  
indicative of communication conditions for transmitting

audio data with the second quality, and

the controlling means includes means for setting communication conditions for the one-way communication in the communication device and the external device in accordance with the first parameter information when  
5 the first communication mode is selected, and setting communication conditions for the two-way communication in the communication device and the external device in accordance with the second parameter information when  
10 the second communication mode is selected.

7. A program for controlling communication with an external device, which is stored in a computer-readable medium and executed by a computer, comprising:

causing the computer to select one of a first  
15 communication mode and a second communication mode in accordance with an operation of an input device of the computer; and

causing the computer to execute one-way communication to transmit content data from the  
20 computer to the external device with a first quality when the first communication mode is selected; and

causing the computer to execute two-way communication to transmit and receive content data between the computer and the external device with a  
25 second quality, which is lower than the first quality, when the second communication mode is selected.

8. The program according to claim 7, further

comprising:

causing the computer to display a first icon and  
a second icon corresponding to the first communication  
mode and the second communication mode, respectively,  
5 on a display device of the computer,

wherein the selecting includes causing the  
computer to select the first communication mode when  
the first icon is selected by an operation of the input  
device, and causing the computer to select the second  
10 communication mode when the second icon is selected by  
an operation of the input device.

9. The program according to claim 7, wherein the  
executing of the one-way communication includes causing  
the computer to transmit content data compression-  
15 encoded by a first compression-encoding scheme to the  
external device, and

the executing of the two-way communication  
includes causing the computer to transmit and receive  
content data compression-encoded by a second  
20 compression-encoding scheme between the computer and  
the external device.

10. The program according to claim 7, wherein the  
executing of the one-way communication includes causing  
the computer to transmit content data sampled with  
25 a first sampling frequency to the external device, and

the executing of the two-way communication  
includes causing the computer to transmit and receive

content data sampled with a second sampling frequency,  
which is lower than the first sampling frequency,  
between the computer and the external device.

5        11. The program according to claim 7, wherein the  
executing of the one-way communication includes causing  
the computer to execute the one-way communication in  
accordance with first parameter information indicative  
of a kind of compression-encoding to be used in the  
first communication mode and a value of a sampling  
10       frequency used in the compression-encoding, and

the executing of the two-way communication  
includes causing the computer to execute the two-way  
communication in accordance with second parameter  
information indicative of a kind of compression-  
15       encoding to be used in the second communication mode  
and a value of a sampling frequency used in this  
compression-encoding.

12. The program according to claim 7, wherein the  
external device is a headset including a speaker and  
20       a microphone,

the executing of the one-way communication  
includes causing the computer to execute the one-way  
communication in accordance with first parameter  
information indicative of communication conditions for  
25       transmitting audio data with the first quality, and

the executing of the two-way communication  
includes causing the computer to execute the two-way

communication in accordance with second parameter information indicative of communication conditions for transmitting audio data with the second quality.